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January 7, 2002

Mr. Nolan Bennett
Environmental Health Scientist
Bernalillo County Environmental Health Department
600 Second St. NW, Suite 500
Albuquerque, NM 87102

Sent via e-mail: nbennett@bernco.gov and US Mail

RE: Transmittal of 4th Quarterly Ground Water Sampling Results

6100 Isleta SW, The G&S Community Corner Site; NMED/USTB Facility ID No. 6647001 / 28207

Contract Control No. 980473 FEI Project No. 99-01-1189-05

Dear Nolan:

Please find included herewith the report for the fourth quarter of ground water sampling and analysis for the subject site. Ground water sampling was conducted on November 1 and 2, 2001.

This sampling event provides the sample results with field testing for an abbreviated round of 10 of the 23 ground water monitoring wells on-site. During this quarter's sampling event, benzene concentrations above the New Mexico Water Quality Control Commission (NMWQCC) standard of 10 μ g/l were found in 5 monitoring wells; MW-10, HV-3, FTW-1, FTW-2, and VM-4. Total naphthalene concentrations (including naphthalene, 1-methyl naphthalene and 2-methyl naphthalene) above the standard of 30 μ g/l were found in 2 monitoring wells; MW-4 and FTW-2. 1,2-dichloroethane (EDC) above the standard of 10 μ g/l was found in 1 monitoring well; VM-4. Total Xylenes concentrations above the standard of 620 μ g/l were found in 1 monitoring well; FTW-2. In addition, 0.04 feet of free product was discovered in MW-2. As a result, this well was not sampled.

FEI/TPA are in the process of completing a Tier 2 Risk Based Decision Making (RBDM) evaluation to address the need for further remedial action at the site. Please do not hesitate to contact the undersigned if you have any questions or comments regarding this Sampling Report.

Respectfully submitted,

TECUMSEH PROFESSIONAL ASSOCIATES, INC.

FAITH ENGINEERING, INC.

William J. Brown, CS #77 Senior Hydrogeologist Stuart E. Faith, PE, CS #80 President

cc. w/ encls. Mr. Tom Leck - NMED/USTB

FOURTH QUARTERLY SAMPLING REPORT THE G&S COMMUNITY CORNER SITE 6100 ISLETA BLVD. SW ALBUQUERQUE, NEW MEXICO FACILITY #6647001 / 28207

PREPARED BY:

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JANUARY 7, 2002

PREPARED FOR:

THE BERNALILLO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT AND
THE NEW MEXICO ENVIRONMENT DEPARTMENT
UNDERGROUND STORAGE TANK BUREAU

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USTB Facility #28207
Date: 1/7/2002
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COVER PAGE FORM 1223 QUARTERLY MONITORING REPORT

Please include the following information:

1. Site name:	G&S Community Corner
2. Responsible party:	Mr. Nolan Bennett
3. Responsible party mail	ing address (list contact person if different):
	Bernalillo County Environmental Health Dept.
	600 2 nd Street NW, Suite 500
	Albuquerque, NM 87102
4. Facility number:	6647001/28207
5. Address/legal descrip	tion: 6100 Isleta Blvd. SW
	Albuquerque, NM
6. Author/consulting cor	mpany: <u>Tecumseh Professional Associates, Inc./</u>
Faith Enginee	ring, Inc.
7. Date of report:	1/7/02
8. Date of confirmation of	f release or date USTB was notified of the release:
	1988

Form 1223
Site Name: G&S Community Corner
USTB Facility #28207
Date: 1/7/2002

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STATEMENT OF FAMILIARITY

l, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature:	
Name:	William J. Brown
	Tecumseh Professional Associates, Inc.
Title:	Senior Hydrogeologist
Certified Scientist	#:077
Date:	

Site Name: G&S Community Corner USTB Facility #28207

Date: 1/7/2002 Page 3

I. INTRODUCTION:

I. A. Scope of Work

Faith Engineering, Inc. (FEI), in collaboration with Tecumseh Professional Associates, Inc. (TPA), has been retained by the Bernalillo County Environmental Health Department to provide professional environmental services at the G&S Community Corner (G&S) site, 6100 Isleta SW, Albuquerque, New Mexico (the Site). The location of the Site is shown on Figure 1. This report documents the fourth quarter of ground water sampling conducted at the Site on November 1 and 2, 2001. The period covered in this report is from July 27, 2001 to November 2, 2001.

I. B. This quarter's highlights

This sampling event represents the fourth quarter of ground water quality re-examination as outlined in the work plan approval letter dated December 8, 1999, as amended on March 17, 2000 and again on November 17, 2000 and June 8, 2001. The sampling event provides the sample results with field testing for an abbreviated round of 10 of the 23 ground water monitoring wells in the site vicinity.

II. ACTIVITIES PERFORMED DURING THIS QUARTER:

II. A. Brief description of the remediation system and date installed

In early 1992, the New Mexico Environmental Department (NMED) placed this Site on its list of state-lead Groundwater Protection Act (GWPA) sites. Groundwater Technology, Inc. (GTI) was retained by the NMED to complete previously initiated investigation activities and install a remediation system. Between 1992 and 1994, GTI installed and sampled additional monitoring wells. In 1995, GTI designed and installed an in-situ high vacuum extraction (HVE) remediation system at the Site consisting of six extraction wells manifolded via underground piping to a liquid-ring vacuum pump, liquid-phase GAC treatment canisters, an oil-water separator, and a catalytic oxidizer. Treated vapors were discharged to the atmosphere; treated groundwater was re-injected to non-impacted groundwater via an infiltration gallery located to the southeast of the on-site building. The system reportedly operated between August 1995 and April 1996 and removed an estimated 760 lbs/120 gallons of hydrocarbons via physical extraction.

II. B. Description of activities performed to keep system operating properly

None. The system was shut down in 1996 after only 28 pounds of hydrocarbons were removed during the final quarter of system operation.

II. C. Monitoring activities performed

Ground water monitoring and sampling at the Site during this quarter took place on November 1 and 2, 2001. This quarter's sampling included the following:

Ground water elevation measurements in all wells.

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- Quarterly event ground water sampling of monitoring wells MW-1, MW-3, MW-4, MW-10, HV-3, FTW-1, FTW-2, VM-1, VM-4, and VM-5.
- Laboratory analysis of ground water samples from all 10 wells for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-tertiary-Butyl Ether (MTBE), Tri-Methyl Benzenes (TMBs), Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), Naphthalene, 1-Methyl Naphthalene and 2-Methyl Naphthalene by EPA Method 8260 PBMS (expanded napthalenes).
- Field testing for natural attenuation indicators of ground water samples, including iron, phosphate, sulfide, nitrate, alkalinity, pH, dissolved oxygen, conductivity, and temperature.

The locations of all monitoring wells are shown on Figure 1. Monitoring and sampling procedures are described in Appendix 1. Table 4 provides a historical summary of field activities at the site and Appendix 2 contains this quarter's original Field Activity Logs. The laboratory results of the ground water analyses for the current monitoring period are shown on Table 1. Historic ground water sampling results are shown on Table 2. Laboratory reports and the Chain of Custody Form are provided in Appendix 3.

This sampling event provides the sample results with field testing for an abbreviated round of 10 of the 23 ground water monitoring wells on site. During this quarter's sampling event, benzene concentrations above the NMWQCC standard of 10 µg/l were found in 5 monitoring wells; MW-10, HV-3, FTW-1, FTW-2, and VM-4. Total naphthalene concentrations (including naphthalene, 1-methyl naphthalene and 2-methyl naphthalene) above the standard of 30 µg/l were found in 2 monitoring wells; MW-4 and FTW-2. EDC above the standard of 10 µg/l was found in 1 monitoring well; VM-4. Total Xylenes above the standard of 620 µg/l were found in 1 monitoring well; FTW-2. In addition, 0.04 feet of free product was discovered in MW-2. As a result, this well was not sampled. A total BTEX summary and contour map for the fourth quarter ground water analysis are shown on Figure 1. A blind duplicate sample (labeled W-21) was collected from well FTW-2 during the sampling event for Quality Analysis/Quality Control. Reported results between the two duplicate samples are generally consistent. However, some of the lower concentrations reported for the W-21 sample were not detected in the FTW-2 sample due to laboratory dilution differences.

Depth to ground water during this quarter's sampling event varied from 6.29 feet below ground surface (bgs) in well FTW-5 to 7.64 feet bgs in well MW-4. All ground water elevation data including the historical data is summarized in Table 3. This quarter's measurements of on-site ground water elevations indicate a groundwater gradient of approximately 0.003 feet/foot to the southwest. A water elevation summary and directional flow map for the fourth quarter ground water measurements are shown on Figure 2.

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II. D. System performance and effectiveness

Not Applicable, See II. A. and B.

II. E. Statement verifying containment of release

Based on ground water sample results from site perimeter monitoring wells and free product discovered in MW-2, containment of off-site ground water contaminants cannot be determined at the G&S Community Corner Site under present conditions. Low levels of dissolved phase hydrocarbons in the ground water and possibly free product extend off-site and are within the highway easement to the west of the Site. Please refer to Figure 1. There is no evidence to suggest other off-site, up-gradient sources of contaminant for the elevated BTEX concentration levels.

III. SUMMARY AND CONCLUSIONS:

III. A. Discussion of trends or changes noted in analytical results or site conditions

Laboratory results obtained during this fourth quarter sampling event indicate that benzene concentrations in the ground water extend beyond the highway easement to the west and are above the NMWQCC standard of 10 µg/l. Total naphthalenes concentrations are also above the NMWQCC standard of 30 µg/l in monitoring wells MW-4 and FTW-2 at the site. In addition, EDC and Total Xylenes are each above NMWQCC standards in one monitoring well. Concentrations have increased in 3 of the 10 monitoring wells sampled and decreased or remained non-detectable in all remaining wells.

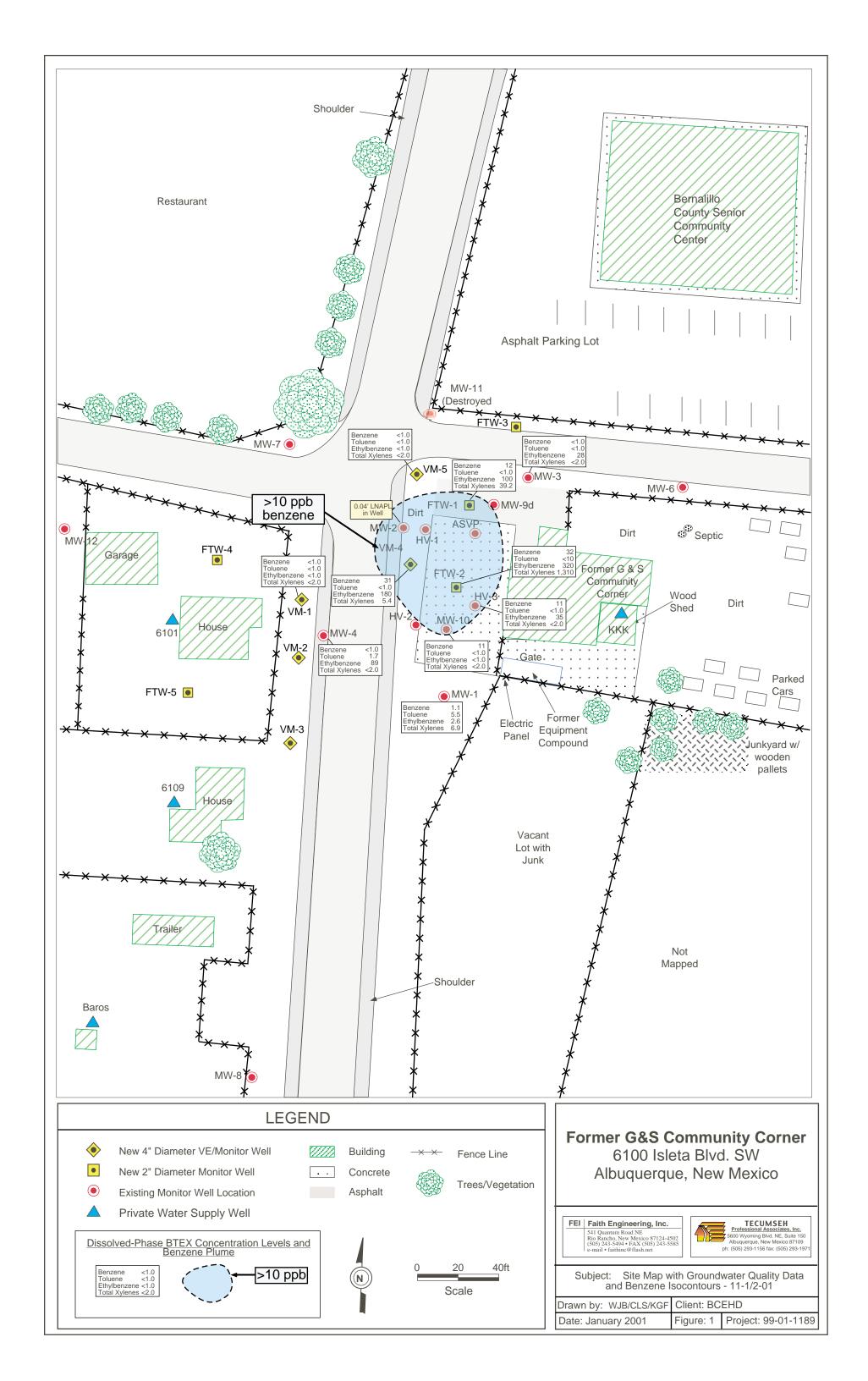
These results also indicate that the contaminant plume may be characterized as an older and weathered petroleum release.

III. B. Ongoing assessment of the remediation system

Not Applicable, See II. A. and B.

III. C. Recommendations

FEI/TPA recommend continued site monitoring and sampling, and completion of the approved workplan for a Tier 2 evaluation before implementing further activities at the Site.



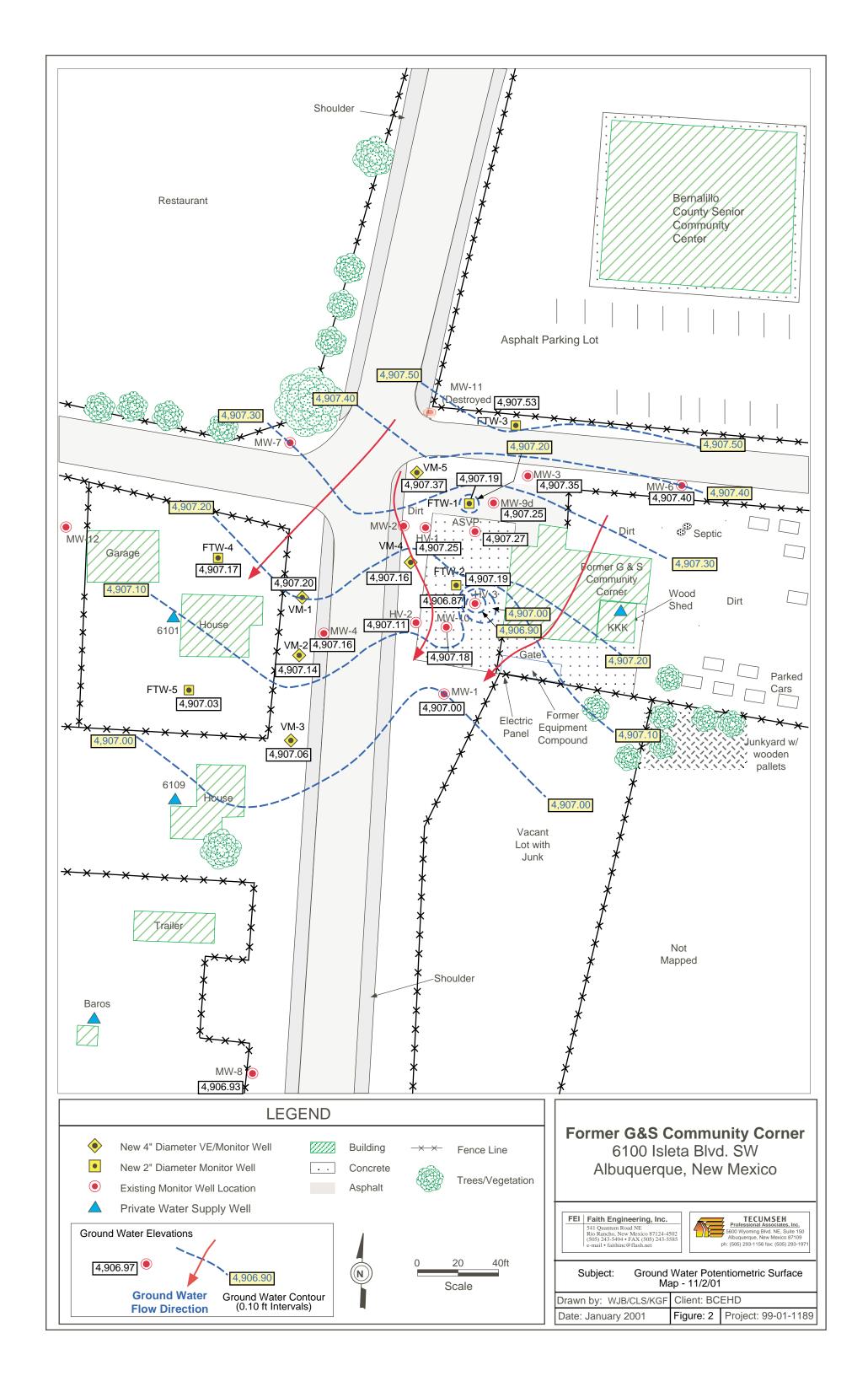


TABLE 1 99-01-1189-05 G&S Community 6100 Isleta NMED FACILITY #28207

CURRENT GROUND WATER ANALYSIS RESULTS

			ORGANICS										IN	ORG	ANIC		INDICATORS				
LOCATION	DATE SAMPLED	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRON	PHOSPHATE	SULFIDE	ALKALINITY as CaCO.	DISS 02	NITRATE	Hd	CONDUCTIVITY	TEMP
UNI	TS	μg/l	μg/l	μg/l	μg/l	μg/l	μg/l	ug/l	μg/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	°C
STANDA	ARDS	<u>10</u>	<u>750</u>	<u>750</u>	<u>620</u>	<u>100</u>	<u>0.1</u>	<u>10</u>		-	TOTAL: <u>3</u>	<u>0</u>									
MW-1	11/1/01	1.1	5.5	2.6	6.9	7.4	<1.0	2.7	<2.0	<3.0	<5.0	<5.0	2.0	1.5	<1.0	225	0.10	1.0	8.21	1988	21.6
MW-2	11/1/01	0.04' p	roduct	present	in well																
MW-3	11/2/01	<1.0	<1.0	28	<2.0	<1.0	<1.0	<1.0	<2.0	<3.0	5.0	<5.0	1.5	1.0	< 1.0	240	0.10	1.0	8.29	1640	22.2
MW-4	11/1/01	<1.0	1.7	89	<2.0	1.5	<1.0	<1.0	99	7.3	210	9.3	0.5	0.5	<1.0	250	0.08	<1.0	8.07	2850	23.9
MW-10	11/1/01	11	<1.0	<1.0	<2.0	33	<1.0	1.9	<2.0	<3.0	<5.0	<5.0	2.0	1.0	<1.0	250	0.26	1.5	8.08	1828	22.9
HV-3	11/2/01	11	<1.0	35	<2.0	1.5	<1.0	<1.0	<2.0	9.3	<5.0	<5.0	2.0	1.0	<1.0	225	0.10	1.0	7.92	2600	22.8
FTW-1	11/1/01	12	< 1.0	100	39.2	< 1.0	< 1.0	1.1	78.6	7.7	5.4	< 5.0	1.0	1.5	< 1.0	225	0.05	1.0	8.13	2700	22.8
FTW-2	11/1/01	32	< 10	320	1310	< 10	< 10	< 10	1640	270	150	200	1.5	1.0	<1.0	325	0.47	1.0	8.34	1488	23.2
FTW-2/W-21*	11//1/01	30	2.9	340	1340	12	< 1.0	8.5	1760	260	110	150									
VM-1	11/1/01	< 1.0	< 1.0	< 1.0	<2.0	< 1.0	< 1.0	1.5	<2.0	< 3.0	< 5.0	< 5.0	0.5	1.0	< 1.0	225	0.11	1.0	8.27	1770	22.0
VM-4	11/1/01	31	< 1.0	180	5.4	1.6	< 1.0	18	9.3	10	8.8	< 5.0	2.0	1.0	< 1.0	250	0.25	1.0	7.96	2640	22.8
VM-5	11/2/01	<1.0	<1.0	<1.0	<2.0	<1.0	< 1.0	< 1.0	< 2.0	< 3.0	< 5.0	< 5.0	1.0	1.0	< 1.0	200	0.22	1.0	8.69	1917	22.3

* _	Rlind	Dunlicate	Sample	for FTW-2	

Data checked	/	[′]
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TABLE 2 99-01-1189-05 G&S Community 6100 Isleta NMED FACILITY #28207

HISTORY OF GROUND WATER TESTING

	ORGANICS														NICS		INDICATORS					
LOCATION	DATE SAMPLED	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRO	N	PHOSPHATE	SULFIDE	ALKALINITY as CaCO.	DISS 02	NITRATE	Hd	CONDUCTIVITY	ТЕМР
UNIT	гѕ	μg/l	μg/l	μg/l	μg/l	μg/l	μg/l	ug/l	μg/l		ug/l		SOLUBLE	TOTAL	mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	°c
STAND	ARDS	<u>10</u>	<u>750</u>	<u>750</u>	<u>620</u>	<u>100</u>	<u>0.1</u>	<u>10</u>			<u>30</u>		mg/l	mg/l								
MW-1	12/18/90	nd	nd	*	0.5	nd	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	5/30/91	nd	0.5	nd	nd	nd	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	9/19/00	<1.0	<1.0	<1.0	<2.0	12	<1.0	3.1	<2.0	<1.0	*	*	0.1	0.1	0.0	0.0	500	5.0	0.8	6.9	2070	24.0
	6/1/01	<1.0	<1.0	<1.0	<2.0	13	<1.0	1.9	<2.0	<1.0	<5.0	<5.0	*	3.0	2.0	0.0	550	3.0	0.1	*	1937	19.7
	7/27/01	<1.0	<1.0	<1.0	<2.0	6.3	<1.0	3.3	<2.0	<1.0	<5.0	<5.0	*	0.4	0.0	0.0	250	2.0	0.0	7.07	1909	21.7
	11/1/01	1.1	5.5	2.6	6.9	7.4	<1.0	2.7	<2.0	<3.0	<5.0	<5.0	*	2.0	1.5	<1.0	225	0.1	1.0	8.21	1988	21.6
MW-3	9/20/00	<1.0	<1.0	5.0	<3.3	<1.0	<1.0	< 1.0	<2.6	<1.0	*	*	2.0	2.0	1.0	0.1	550	2.0	1.0	7.17	3009	26.1
	6/1/01	1.1	2.1	40	<2.0	<1.0	<1.0	<1.0	2.6	1.2	7.7	<5.0	*	2.0	3.0	0.0	600	1.0	0.6	*	2088	22.7
	7/27/01	<1.0	<1.0	58	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<5.0	*	1.0	0.0	0.0	350	2.0	1.0	7.00	1736	25.8
	11/2/01	<1.0	<1.0	28	<2.0	<1.0	<1.0	<1.0	<2.0	<3.0	5.0	<5.0	*	1.5	1.0	< 1.0	240	0.1	1.0	8.29	1640	22.2
MW-4	9/20/00	<5.0	<5.0	140	<20	< 5.0	< 5.0	< 5.0	<75	34	*	*	0.2	0.2	0.1	0.0	600	0.5	1.0	6.98	3115	27.4
-	6/1/01	<5.0	<5.0	110	<10.0	<5.0	<5.0	<5.0	160	38	250	52	*	0.2	2.0	0.4	600	1.0	1.0	*	2480	23.5
	7/27/01	<5.0	1.6	120	<10.0	<5.0	<5.0	<5.0	157	13	300	<25	*	2.0	0.0	1.0	500	1.0	1.0	6.88	2686	28.4
	11/1/01	<1.0	1.7	89	<2.0	1.5	<1.0	<1.0	99	7.3	210	9.3	*	0.5	0.5	<1.0	250	0.08	<1.0	8.07	2850	23.9
MW-6	9/19/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0		*	0.2	0.3	1.5	0.0	600	3.0	1.5	7.47	3385	27.6
MW-7	9/19/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	1.4	<2.0	<1.0	*	*	1.0	1.5	0.6	0.0	600	2.0	1.0	7.07	2375	24.3
MW-8	9/19/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	*	*	0.0	0.1	0.3	0.0	350	2.0	4.5	7.02	3603	23.4
MW-9D	9/19/00	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0			0.1	0.2	0.6	0.0	400	1.0	1.0	7.35	2064	21.2
MW-10	9/19/00	7.1	<1.0	<1.0	<2.0	120	<1.0	6.7	<2.0	<1.0	*	*	1.5	1.5	4.0	0.0	600	3.0	1.0	7.1	2740	24.4
	6/1/01	11	<5.0	5.2	<10.0	35	<5.0	<5.0	<10.0	<5.0	<25	<25	*	2.0	2.0	0.0	500	2.0	1.0	*	1318	25.7
	7/27/01	6.0	<1.0	<1.0	<2.0	63	<5.0	3.1	<2.0	<1.0	<5.0	<5.0	*	2.0	0.3	0.0	300	5.0	1.0	7.08	551	25.6
	11/1/01	11	<1.0	<1.0	<2.0	33	<1.0	1.9	<2.0	<3.0	<5.0	<5.0	*	2.0	1.0	<1.0	250	0.26	1.5	8.08	1828	22.9

TABLE 2 99-01-1189-05 G&S Community 6100 Isleta NMED FACILITY #28207

HISTORY OF GROUND WATER TESTING

	ORGANICS														NICS					INDICATORS		
LOCATION	DATE SAMPLED	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRO	N	PHOSPHATE	SULFIDE	ALKALINITY as CaCO.	DISS 02	NITRATE	Hd	CONDUCTIVITY	TEMP
UNIT STANDA		μg/l 10	μg/l 750	μg/l 750	μg/l 620	μg/l 100	μg/I 0.1	ug/l 10	μg/l		ug/l 30		SOLUBLE		mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	°C
									440		<u>30</u>	*	mg/l	mg/l		0.4	000	0.5		7.00	0000	04.7
HV-1	9/19/00	<5.0	7.2	240	280	<5.0	<5.0	1.4	146	71	*	*	1.5	4.0	2.0	0.1	600	0.5	0.6	7.26	3288	24.7
HV-2 HV-3	9/19/00 9/19/00	<1.0	<1.0	<1.0	<2.0	17	<1.0	26	<2.0	<1.0	*	*	1.0	4.0	1.5	0.0	550	1.0	0.4	7.05	2496	24.5
пу-э	6/1/01	1.5 5.4	<1.0 <5.0	2.7	<4.4 <10.0	1.1 <5.0	<1.0 <5.0	<1.0 <5.0	<2.0 <10.0	<1.0 6.1	<25	<25	0.6 *	0.6 1.0	0.6 2.0	0.0	600 500	2.0	1.0	7.1	2690 2549	24.9
-	7/27/01	2.8	<1.0	4.6	<2.0	<1.0	<1.0	<1.0	<2.0	<1.0	<5.0	<5.0	*	3.0	0.2	0.0	500	2.0	1.0	6.79	2568	23.6
-	11/2/01	11	<1.0	35	<2.0	1.5	<1.0	<1.0	<2.0	9.3	<5.0	<5.0	*	2.0	1.0	<1.0	225	0.1	1.0	7.92	2600	22.8
FTW-1	3/22/01	29	1.2	140	118.8	< 1.0	< 1.0	< 1.0	99	21	*	*	3.0	4.0	1.0	0.8	350	3.5	1.5	7.48	2930	15.3
-	6/1/01	31	< 5.0	250	59	< 5.0	< 5.0	< 5.0	146	36	< 25	< 25	*	2.0	3.0	0.0	650	0.5	0.2	*	2500	20.4
-	7/27/01	20	<10.0	170	39	<10.0	<10.0	<10.0	97	20	<50	<50	*	2.0	0.0	0.0	500	2.0	1.0	7.01	2572	23.7
-	11/1/01	12	< 1.0	100	39.2	< 1.0	< 1.0	1.1	78.6	7.7	5.4	< 5.0	*	1.0	1.5	< 1.0	225	0.05	1.0	8.13	2700	22.8
FTW-2	3/22/01	130	45	650	1960	19.0	< 5.0	< 5.0	1070	180	*	*	0.4	1.0	0.6	7.0	550	4.0	0.6	7.81	172.3	17.3
-	6/1/01	41	< 5.0	340	121	28	< 5.0	< 5.0	1130	170	79	< 25	*	4.0	1.0	0.0	600	2.0	0.6	*	1990	25.2
-	7/27/01	19	< 25	150	131	41	<25	<25	580	38	66	39	*	3.0	0.0	0.0	500	2.0	1.0	6.69	1783	26.0
-	11/1/01	32	< 10	320	1310	< 10	< 10	< 10	1640	270	150	200	*	1.5	1.0	<1.0	325	0.47	1.0	8.34	1488	23.2
FTW-3	3/22/01	1.0	< 1.0	11.0	3.1	< 1.0	< 1.0	< 1.0	1.3	4.1	*	*	1.0	1.0	1.0	1.0	400	3.0	1.0	8.00	185	17.9
FTW-4	3/22/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	2.0	3.0	4.0	2.0	550	4.0	2.5	7.64	231	15.1
FTW-5	3/22/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	0.8	1.0	1.5	0.0	250	3.0	2.5	7.49	279	19.2
VM-1	3/22/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	1.0	1.5	1.0	8.0	550	3.0	2.0	7.48	268	14.2
_	6/1/01	< 1.0	< 1.0	< 1.0	<2.0	< 1.0	< 1.0	3.2	<2.0	< 1.0	< 5.0	< 5.0	*	0.4	2.0	0.0	550	1.0	0.8	*	1958	20.5
	7/27/01	< 1.0	< 1.0	< 1.0	<2.0	< 1.0	< 1.0	2.8	<2.0	< 1.0	< 5.0	< 5.0	*	5.0	0.0	0.0	250	4.0	1.0	7.03	1623	20.9
	11/1/01	< 1.0	< 1.0	< 1.0	<2.0	< 1.0	< 1.0	1.5	<2.0	< 3.0	< 5.0	< 5.0	*	0.5	1.0	< 1.0	225	0.11	1.0	8.27	1770	22.0
VM-2	3/22/01	< 1.0	< 1.0	1.2	1.6	< 1.0	< 1.0	4.3	< 2.0	< 1.0	*	*	4.0	4.0	5.0	2.0	550	4.0	1.0	7.85	156.2	16.4
VM-3	3/22/01	1.3	1.2	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	1.5	2.0	8.0	4.0	550	3.0	1.5	7.63	233	15.1

TABLE 2 99-01-1189-05 G&S Community 6100 Isleta NMED FACILITY #28207

HISTORY OF GROUND WATER TESTING

	OF	RGANI	CS										INO	RGAN	NICS					INDICATORS		
LOCATION	DATE SAMPLED	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRO	IRON		SULFIDE	ALKALINITY as CaCO.	DISS 02	NITRATE	Hd	CONDUCTIVITY	TEMP
UNI	TS	μg/l	μg/l	μg/l	μg/l	μg/l	μg/l	ug/l	μg/l		ug/l		SOLUBLE	TOTAL	mg/l	mg/l	mg/l	mg/l	mg/l		µmhos/cm	°C
STAND	ARDS	<u>10</u>	<u>750</u>	<u>750</u>	<u>620</u>	<u>100</u>	<u>0.1</u>	<u>10</u>			<u>30</u>		mg/l	mg/l								
VM-4	3/22/01	67	1.6	250	34.9	2.9	< 1.0	21	121	62	*	*	*	*	*	*	*	*	*	7.60	264	16.5
	6/1/01	38	< 10	290	104	< 10	< 10	< 10	333	130	< 50	< 50	*	2.0	2.0	0.0	600	2.0	1.5	*	2269	23.4
	7/27/01	4.4	<1.0	17	2.6	<1.0	<1.0	42	20	3	< 5.0	< 5.0	*	3.0	0.0	0.0	500	2.0	1.0	6.72	2299	26.4
	11/1/01	31	< 1.0	180	5.4	1.6	< 1.0	18	9.3	10	8.8	< 5.0	*	2.0	1.0	< 1.0	250	0.25	1.0	7.96	2640	22.8
VM-5	3/22/01	2.5	1.1	14.0	7.3	< 1.0	< 1.0	< 1.0	36.9	7.7	*	*	*	*	*	*	*	*	*	7.69	302	17.4
	6/1/01	1.9	< 1.0	20	6.8	< 1.0	< 1.0	< 1.0	23	11	5.0	< 5.0	*	*	*	*	*	*	*	*	1358	20.9
	7/27/01	1.4	<1.0	29	2.0	<1.0	< 1.0	< 1.0	43	13	5.7	<5.0	*	2.0	0.0	0.0	300	4.0	1.0	7.10	1940	25.7
	11/2/01	<1.0	<1.0	<1.0	<2.0	<1.0	< 1.0	< 1.0	< 2.0	< 3.0	< 5.0	< 5.0	*	1.0	1.0	< 1.0	200	0.22	1.0	8.69	1917	22.3
ASVP	9/19/00	4.4	<1.0	10	<3.7	<1.0	<1.0	2.1	19.6	5.7	*	*	*	3.0	0.0	0.0	600	2.0	0.8	7.31	2690	24.9
	6/1/01	2.5	1.2	5.9	7.8	< 1.0	< 1.0	< 1.0	7.8	2.9	< 5.0	< 5.0	*	4.0	2.0	0.0	500	2.0	1.0	*	2874	24.6
	7/27/01	1.3	<1.0	2.3	<2.0	<1.0	<1.0	1.2	<2.0	<1.0	<5.0	<5.0	*	4.0	0.0	0.0	500	2.0	1.0	6.70	3004	25.0

nd - non detect

Data checked ______ / _____

^{* -} not tested or sample turbidity prevented correct reading

TABLE 3 99-01-1189-05 • G&S Community • 6100 Isleta NMED FACILITY #28207

SUMMARY OF GROUND WATER ELEVATION MEASUREMENTS

WELL	ELEVATION	DATE	STATIC	WATER LEVEL	(+) = RISING
NUMBER	(feet above datum)		(feet BG)	(feet AD)	(-) = FALLING
MW-1	4914.49	9/19/00	7.75	4906.74	
		6/1/01	7.70	4906.79	0.05
		7/27/01	7.64	4906.85	0.06
		10/31/01	7.49	4907.00	0.15
MW-2	4914.58	9/20/00	7.60	4906.98	
		6/1/01	7.70	4906.88	-0.10
		7/27/01	7.44	4907.14	0.26
		10/31/01	0.04 foot product		
MW-3	4914.36	9/20/00	7.07	4907.29	
		6/1/01	7.23	4907.13	-0.16
		7/27/01	6.75	4907.61	0.48
		10/31/01	7.01	4907.35	-0.26
MW-4	4914.80	9/20/00	7.84	4906.96	
		6/1/01	8.04	4906.76	-0.20
		7/27/01	7.88	4906.92	0.16
		10/31/01	7.64	4907.16	0.24
MW-6	4914.27	9/19/00	6.94	4907.33	
		6/1/01	7.10	4907.17	-0.16
		7/27/01	6.55	4907.72	0.55
		10/31/01	6.87	4907.40	-0.32
MW-7	4914.37	9/20/00	7.37	4907.00	
		6/1/01	7.46	4906.91	-0.09
		7/27/01	7.30	4907.07	0.16
		10/31/01	7.07	4907.30	0.23
MW-8	4913.68	9/19/00	7.91	4905.77	
		6/1/01	7.01	4906.67	0.90
		7/27/01	7.01	4906.67	0.00
		10/31/01	6.75	4906.93	0.26
MW-9d	4914.21	9/19/00	6.97	4907.24	
		6/1/01	7.13	4907.08	-0.16
		7/27/01	7.00	4907.21	0.13
		10/31/01	6.96	4907.25	0.04
MW-10	4914.16	9/19/00	7.15	4907.01	
		6/1/01	7.20	4906.96	-0.05
		7/27/01	7.21	4906.95	-0.01
		10/31/01	6.98	4907.18	0.23

TABLE 3 99-01-1189-05 • G&S Community • 6100 Isleta NMED FACILITY #28207

SUMMARY OF GROUND WATER ELEVATION MEASUREMENTS

WELL	ELEVATION	DATE	STATIC	WATER LEVEL	(+) = RISING
NUMBER	(feet above datum)		(feet BG)	(feet AD)	(-) = FALLING
10/4	4044.00	0/40/00		1007.05	
HV-1	4914.06	9/19/00	6.81	4907.25	
		6/1/01	7.08	4906.98	-0.27
		7/27/01	6.89	4907.17	0.19
		10/31/01	6.81	4907.25	0.08
HV-2	4914.13	9/19/00	7.11	4907.02	
		6/1/01	7.24	4906.89	-0.13
		7/27/01	7.11	4907.02	0.13
		10/31/01	7.02	4907.11	0.09
HV-3	4914.18	9/19/00	7.37	4906.81	
		6/1/01	7.58	4906.60	-0.21
		7/27/01	7.46	4906.72	0.12
		10/31/01	7.31	4906.87	0.15
ASVP	4914.48	9/19/00	7.74	4906.74	
		6/1/01	7.52	4906.96	0.22
		7/27/01	7.39	4907.09	0.13
		10/31/01	7.21	4907.27	0.18
FTW-1	4914.31	3/22/01	8.07	4906.24	
		6/1/01	7.38	4906.93	0.69
		7/27/01	7.14	4907.17	0.24
		10/31/01	7.12	4907.19	0.02
FTW-2	4914.40	3/22/01	8.08	4906.32	
		6/1/01	7.59	4906.81	0.49
		7/27/01	7.35	4907.05	0.24
		10/31/01	7.21	4907.19	0.14
FTW-3	4914.07	3/22/01	7.68	4906.39	
		6/1/01	6.47	4907.60	1.21
		7/27/01	5.97	4908.10	0.50
		10/31/01	6.54	4907.53	-0.57
FTW-4	4914.11	3/22/01	7.71	4906.40	
		6/1/01	7.38	4906.73	0.33
		7/27/01	7.28	4906.83	0.10
		10/31/01	6.94	4907.17	0.34
FTW-5	4913.32	3/22/01	6.99	4906.33	
		6/1/01	6.69	4906.63	0.30
		7/27/01	6.57	4906.75	0.12
		10/31/01	6.29	4907.03	0.28

TABLE 3 99-01-1189-05 • G&S Community • 6100 Isleta NMED FACILITY #28207

SUMMARY OF GROUND WATER ELEVATION MEASUREMENTS

WELL NUMBER	ELEVATION (feet above datum)	DATE	STATIC (feet BG)	WATER LEVEL (feet AD)	(+) = RISING (-) = FALLING
VM-1	4914.15	3/22/01	7.80	4906.35	
		6/1/01	7.29	4906.86	0.51
		7/27/01	7.18	4906.97	0.11
		10/31/01	6.95	4907.20	0.23
VM-2	4914.46	3/22/01	8.14	4906.32	
		6/1/01	7.61	4906.85	0.53
		7/27/01	7.54	4906.92	0.07
		10/31/01	7.32	4907.14	0.22
VM-3	4914.33	3/22/01	7.98	4906.35	
		6/1/01	7.59	4906.74	0.39
		7/27/01	7.54	4906.79	0.05
		10/31/01	7.27	4907.06	0.27
VM-4	4914.40	3/22/01	8.10	4906.30	
		6/1/01	7.48	4906.92	0.62
		7/27/01	7.39	4907.01	0.09
		10/31/01	7.24	4907.16	0.15
VM-5	4914.37	3/22/01	8.06	4906.31	
		6/1/01	7.29	4907.08	0.77
		7/27/01	6.99	4907.38	0.30
		10/31/01	7.00	4907.37	-0.01

Data checked _____ / ____

Table 4
G & S Community • 6100 Isleta
99-01-1189-05 - NMED Facility #28207
Summary of Tasks Performed in the Field

DATE	FIELD TECH.	DESCRIPTION	
9/19/00-9/20/00	KGF, MB	Initial sampling round(1st Qtr)-all existing wells, site survey.	
2/12/01-2/14/01	BB, SG	Drilling and soil samples on site/Submit Hydrogeologic Investigation.	
6/1/01	MB, KL	2nd Quarterly sampling event.	
7/27/01	MB, KL	3rd Quarterly sampling event.	
10/31/01-11/2/01	PJB	4th Quarterly sampling event.	

Data checked _____ / _____

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APPENDIX 1

Sampling Protocol

Prior to any sampling, the water level in each monitoring well was measured. Ground water elevations (from datum) were determined using survey data collected during the Hydrogeologic Investigation. Temperature, pH and conductivity measurements were taken during well purging to document well stabilization. At least three (3) well bore volumes were removed from each well prior to collection of ground water samples using dedicated disposable bailers. Samples were collected using strict chain-of-custody procedures, stored on ice in a cooler, and hand-delivered to Pinnacle Laboratories in Albuquerque, New Mexico, for analyses. The ground water samples were analyzed for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-t-Butyl Ether (MTBE), Tri-Methyl Benzenes (TMBs), Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), Naphthalene, 1-Methylnaphthalene and 2-Methylnaphthalene by EPA Method 8260. Natural attenuation indicator parameters iron, phosphate, nitrate, sulfide, alkalinity, pH, dissolved oxygen, conductivity and temperature were analyzed and measured in the field using the appropriate field test kits and equipment.

In an effort to more realistically characterize the analytical data generated from the quarterly sampling, FEI has adopted a reporting standard of multi-component compounds like total xylenes. Detection limit values in a multi-component compound that are reported as below detection limits and are less than 10 percent of the lowest detectable value will not be added-in as part of the total concentration value reported. Detection limit values greater than 10 percent of the lowest detectable value will be added-in as part of the total concentration value reported. This will eliminate confusion regarding the "less-than" symbols where concentrations have been detected.

APPENDIX 2

Field Notes

APPENDIX 3

Analytical Laboratory Reports